

Concerning amendments to the Claims of RCE 1.114 submission of 29 November 05 for application 09/892,351

Please cancel all prior claims and replace them with new claims 53-85.
Claims 53 and 67 are independent claims.

Present claims relation to original claims and original specification.

Claim 53 relates to original claim 1a, b-c, g-h, j. See pages 8-13.

Claim 54 relates to claim 1k. See page 14.

Claim 55 relates to claim 1b and 1c lines 5-6. See last paragraph page 18 and first two of page 19.

Claim 56 relates to claim 1d. See last two paragraphs of page 9 and second paragraph of page 19.

Claim 57 relates to claim 1f. See page 10.

Claim 58 relates to claim 3. See page 14 lines 20-21.

Claim 59 relates to claim 2.

Claim 60 relates to claim 2.

Claim 61 relates to claim 4 heading. See page 16 and second paragraph of page 17.

Claim 62 relates to claim 5. See last two paragraphs of page 16.

Claim 63 relates to claim 8.

Claim 64 relates to claim 9. See page 25 item 5.

Claim 65 relates to claim 10. See page 26 lines 10-12.

Claim 66 relates to claim 11.

Claim 67 relates to claim 12. See page 27.

Claim 68 relates to claim 14.

Claim 69 relates to claim 13. See last half of page 26.

Claim 70 relates to claim 15. See page 27 from line 14.

Claim 71 relates to claim 19. See last half of page 30.

Claim 72 relates to claim 20. dependant on claims 15, 4a, 'any rate selected' See page 35 item 8.

Claim 73 relates to claim 21. see page 35 lines 12-15.

Claim 74 relates to claim 22.

Claim 75 relates to claim 20. See page 35 item 8. See figure 14.

Claim 76 relates to claim 22.

Claim 77 relates to claim 23. See page 30 lines 13-25.

Claim 78 relates to claims 23 and 24a.

Claim 79 relates to claim 24. See page 30 lines 13-25.

Claim 80 relates to claim 25 dependant on claim 4. See claim 4a, b-c, g-h, j, equating with claim 1a, b-c, g-h, j.
See item 6 page 31 and line 8 of page 32. See figure 8.

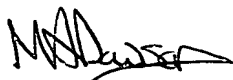
Claim 81 relates to claim 25 dependant on claim 4. See claim 4a, 'isolating ...and alternating the image pair
between two anaglyphic display ... orientations ...to establish a modulation rate.'
See line 11 page 32. See figure 9.

Claim 82 relates to claim 25a 'multiplicity...capture of two or more pairs..' See lines 22-23 of item 5 on page 25.

Claim 83 relates to claim 25 dependant on claim 4o. See last half of page 32. See figures 12 and 15.

Claim 84 See last three lines of page 35 to line 2 of page 36. See figure 15.

Claim 85 relates to claim 25 dependant on claim 4q. See page 30 lines 13-25. See figure 15.



M Dawson.

I Claim;

Claim 53 (new)

Anaglyphic production method for anaglyphic record where the processes of selective color treatment and color channel allocation may be effected to each image of an image pair in a single sweep, including steps of,

- a. isolating or synchronizing images to achieve an image pair that consists of a first image or images and a second image or images,
- b. effecting selective color treatments to contrasts of color records within said image pair to enable perception of an anaglyphically viewed contrast balance between the said image pair from within color channel allocations effected below,
- c. allocating a first anaglyphic color channel to said first image or images and allocating second and third anaglyphic color channels to said second image or images resulting in spectrally opposed anaglyphic color channels,
- d. blending the said image pair as a single anaglyphic image.

Claim 54 (new)

Anaglyphic production method as claimed in claim 53, where contrast or brightness of the anaglyphic image is optimised.

Claim 55 (new)

Anaglyphic production method as claimed in claim 53, where said selective color treatments are applied either to individual color records or to the entire color records of said image pair to the nth degree.

Claim 56 (new)

Anaglyphic production method as claimed in claim 53, where control of brightness in the resulting anaglyphic image is effected by, selective adjustments to the black color records of both or either of the said image pair where increased saturation of black increases brightness and decreased saturation of black decreases brightness.

Claim 57 (new)

Anaglyphic production method as claimed in claim 53, where luminosity compression is applied to said image pair to the nth degree.

Claim 58 (new)

Images, being anaglyphic record produced as claimed in claim 53.

Claim 59 (new)

Apparatus for the screen display of anaglyphic record claimed in claim 58, the apparatus comprising of;

- a. said anaglyphic record,
- b. a reproduction and display monitor, screen or projection means of color format,
- c. anaglyphic viewing gel.

Claim 60 (new)

Apparatus for the printed display of anaglyphic record claimed in claim 58, the apparatus comprising of;

- a. said anaglyphic record,
- b. a printing means of color format,
- c. a display medium on which to receive an exposure or print of said anaglyphic record,
- d. anaglyphic viewing gel.

Claim 61 (new)

Modulating anaglyphic image production method where perception of flicker is reduced, consisting of, alternating the display orientation of anaglyphic color channels allocated to said first and second images in anaglyphic record produced as claimed in claim 53.

Claim 62 (new)

Images, being modulating anaglyphic image produced as claimed in claim 61.

Claim 63 (new)

Apparatus for the display of modulating anaglyphic image claimed in claim 62, the apparatus comprising of,

- a. said modulating anaglyphic image,
- b. a first power supply enabling a signal detection means to detect synchronizing signals from said image, for transmission part c,
- c. a transmission means for the transmission of said signals to a receiving means of part d,
- d. a second power supply means enabling a receiving means to receive said signals for a switching logic means of part e,
- e. a switching logic means, that responds to said signals for the synchronisation of electro-optic/anaglyphic viewing means of part f, with said image displayed on reproduction and display part g,
- f. electro-optic/anaglyphic viewing means consisting of a pair of electro-optic color modulating filter elements that respond to switching logic of part e, and present transitions between anaglyphically opposing hues,
- g. a reproduction and display monitor, screen or projection means of color format.

Claim 64 (new)

Anaglyphic/lenticular image production method for the production of multiple concurrent and interactive still or motion anaglyphic visual channels for print, including steps of,

- a. the anaglyphic production method claimed in claim 1, applied to multiple image pairs resulting in multiple anaglyphic images,
- b. horizontally interpolating the anaglyphic images of step a, at a frequency such that interpolated representations of each anaglyphic image are specific to horizontal zones that correspond to an array of horizontally oriented lenticular lenses,
- c. printing the interpolated anaglyphic images of step b, onto a display surface integral with said array of horizontally oriented lenticular lenses.

Claim 65 (new)

Images, being printed anaglyphic/lenticular image produced as claimed in claim 64.

Claim 66 (new)

Apparatus for the display of printed anaglyphic/lenticular image claimed in claim 65,
the apparatus comprising of,

- a. said anaglyphic/lenticular image,
- b. a printing means, of color format,
- c. an array of lenticular lenses that enable an interactive visual channelling of said image from a print display surface integral with it's underside, via refraction,
- d. anaglyphic viewing gel.

Claim 67 (new)

Quadrascopic/anaglyphic image production method, for the concurrent and interactive display of four visual channels from one image signal, comprising steps of,

- a. effecting an anaglyphic production method to two image pairs resulting in first and second anaglyphic records,
- b. interpolating said first and second anaglyphic records.

Claim 68 (new)

Images, being quadrascopic/anaglyphic image produced as claimed in claim 67.

Claim 69 (new)

Apparatus for the display of quadrascopic/anaglyphic image claimed in claim 68,
the apparatus comprising of,

- a. said quadrascopic/anaglyphic image,
- b. a reproduction and display monitor, screen or projection means of color format that delivers vertical parallax to effect an upper and lower visual channelling,
- c. anaglyphic viewing gel.

Claim 70 (new)

Modulating quadrascopic/anaglyphic image production method, where the display orientation of first and second anaglyphic records in quadrascopic/anaglyphic image produced as claimed in claim 67, alternate.

Claim 71 (new)

Apparatus for the display of modulating quadrascopic/anaglyphic image produced as claimed in claim 70,
the apparatus comprising of,

- a. said modulating quadrascopic/anaglyphic image,
- b. a first power supply enabling a signal detection means to detect synchronizing signals from said image for the transmission means of part c,
- c. a transmission means for the transmission of said signals to a receiving means of part d,
- d. a second power supply enabling a receiving means to receive said transmitted signals for a switching logic means of part e,

- e. a switching logic means that responds to said signals for the synchronization of electro-optic/anaglyphic viewing means of part f, with said image displayed on reproduction and display part g,
- f. electro-optic/anaglyphic viewing means consisting of a pair of electro-optic color modulating filter elements that respond to the switching logic of part e, and present transitions between anaglyphically opposing hues,
- g. a reproduction and display monitor, screen or projection means of color format that delivers vertical visual parallax to effect upper and lower visual channelling of said modulating quadrascopic/anaglyphic image.

Claim 72 (new)

Autostereoscopic quadrascopic/anaglyphic production method, for a choice between two autostereoscopic programs from one image signal, comprising steps of,

- a. effecting the quadrascopic/anaglyphic production method claimed in claim 67, where said two image pairs consist of two left views for a first anaglyphic record and two right views for a second anaglyphic record;
- b. interpolating said first and second anaglyphic records,
- c. effecting a selective color record removal, that corresponds to a color channel from said interpolated first and second anaglyphic records, to isolate a remnant color channel containing left and right visual channels.

Claim 73 (new)

Images, being autostereoscopic quadrascopic/anaglyphic image produced as claimed in claim 72.

Claim 74 (new)

Apparatus for the display of autostereoscopic quadrascopic/anaglyphic image claimed in claim 73 the apparatus comprising of,

- a. said autostereoscopic quadrascopic/anaglyphic image,
- b. a reproduction and display monitor, screen or projection means that delivers horizontal visual parallax to effect left and right visual channelling,
- c. a color record removal means that selectively removes a color record that corresponds to an anaglyphic color channel.

Claim 75 (new)

Modulating autostereoscopic quadrascopic/anaglyphic production method, comprising steps of,

- a. effecting the modulating quadrascopic/anaglyphic production method claimed in claim 70, where the said anaglyphic records consist of two left views for a first anaglyphic record and two right views for a second anaglyphic record,
- b. effecting a cycle of color record removal, that corresponds to a modulating color channel to isolate a modulating color channel containing left and right visual channels.

Claim 76 (new)

Apparatus for the display of modulating autostereoscopic quadrascopic/anaglyphic image produced as claimed in claim 75, comprising of,

- a. said modulating autostereoscopic quadrascopic/anaglyphic image,
- b. a first power supply enabling a signal detection means to detect synchronizing signals from said image, for a switching logic means of part c,
- c. a switching logic means that responds to the signal detection means of part b, for the synchronization of color record removal means part d, with said image displayed on reproduction and display part e,
- d. a color record removal means that responds to the switching logic of part c, to remove a cycle of color records,
- e. a reproduction and display monitor, screen or projection means of color format that delivers horizontal visual parallax to effect left and right visual channelling.

Claim 77 (new)

Quadrascopic/strobe production method, for still or motion display of four visual channels where the anaglyphic production of claim 67 is bypassed resulting in a sequential strobe of two left images and two right images.

Claim 78 (new)

Images, being quadrascopic/strobe image produced as claimed in claim 77.

Claim 79 (new)

Apparatus for the display of quadrascopic/strobe image claimed in claim 78, the apparatus comprising of,

- a. said quadrascopic/strobe image,
- b. a first power supply enabling a signal detection means to detect synchronizing signals from said image for transmission part c,
- c. a transmission means for the transmission of said signals to a receiving means,
- d. a second power supply enabling a receiving means to receive said transmitted signals for delivery to a switching logic means of part e,
- e. a switching logic means for the synchronization of electro-optic/shutter means of part f, with said image displayed on reproduction and display part g,
- f. electro-optic/shutters consisting of a pair of electro-optic light valve elements that respond to the switching logic of part e, and present alternations between open and shut states,
- g. a reproduction and display monitor screen or projection means that delivers vertical parallax to effect an upper and lower visual channelling.

Claim 80 (new)

Apparatus for recording images, having components that effect the anaglyphic production method as claimed in claim 53.

Claim 81 (new)

Apparatus for recording images, having components that effect the modulating anaglyphic image production method as claimed in claim 61.

Claim 82 (new)

Apparatus for recording images, having components that effect the anaglyphic/lenticular production method as claimed in claim 64.

Claim 83 (new)

Apparatus for recording images, having components that effect the quadrascopic/anaglyphic production method as claimed in claim 67.

Claim 84 (new)

Apparatus for recording images, having components that effect the autostereoscopic quadrascopic/anaglyphic production method as claimed in claim 72.

Claim 85 (new)

Apparatus for recording images, having components that effect the quadrascopic/strobe production method as claimed in claim 77.